Docket No.: 0230-0238PUS1

Inventor: Tomoaki KUBO et al.

Title: METHOD FOR SCREENING GENOMIC DNA

**FRAGMENTS** 

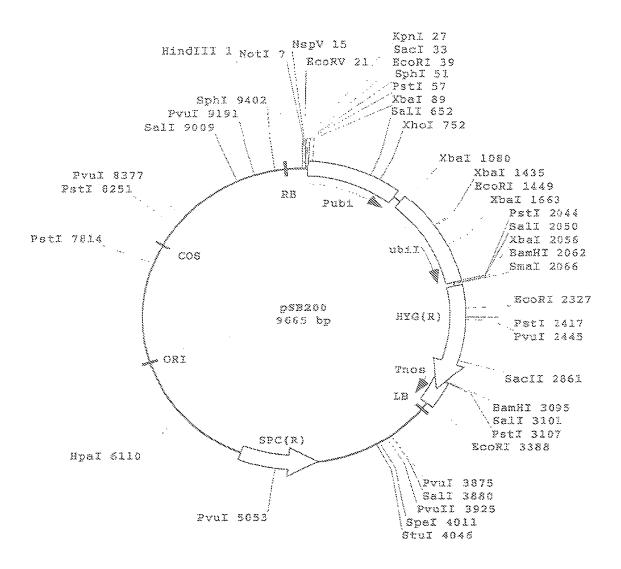


Fig. 1

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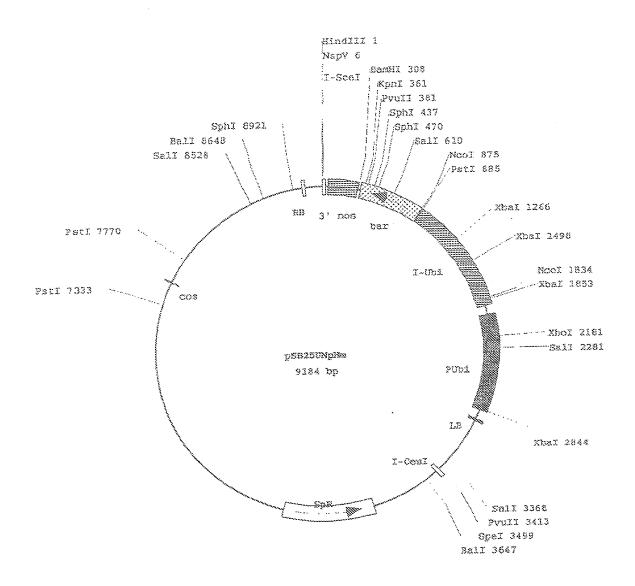


Fig. 2

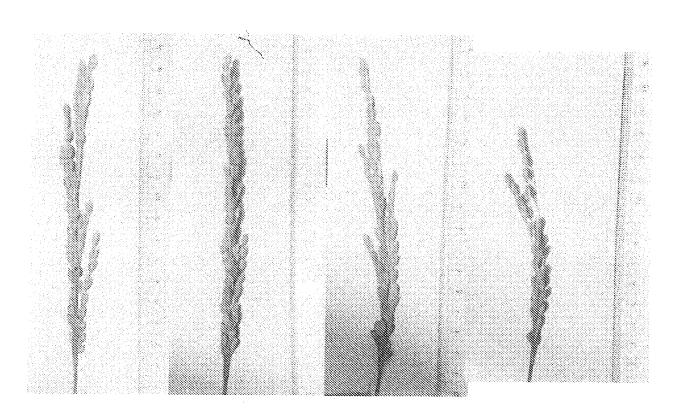
Docket No.: 0230-0238PUS1

App No.: 10/576,693 Docket No.: 023 Inventor: Tomoaki KUBO et al. Title: METHOD FOR SCREENING GENOMIC DNA

FRAGMENTS

REPLACEMENT SHEET

Fig. 3



Genome fragment A083G04 (SEQ ID NO:41 SEQ ID NO:42) Transgenic plant

Genome fragment A088E02 (SEQ ID NO:43 SEQ ID NO:44) Transgeric plant Genome fragment A089F12 (SEQ ID NO:45 SEQ ID NO:46) Transgenic plant

Control plant

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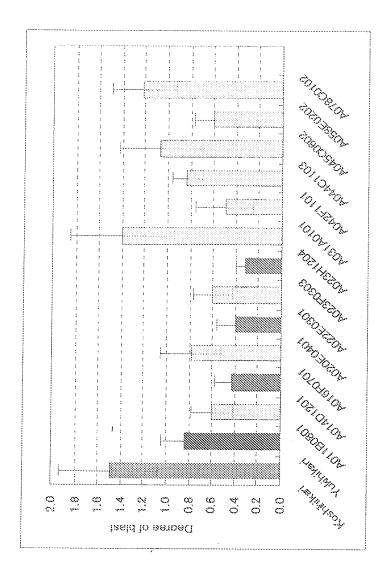


Fig..4: Results of testing of blast resistance

Inventor: Tomoaki KUBO et al.

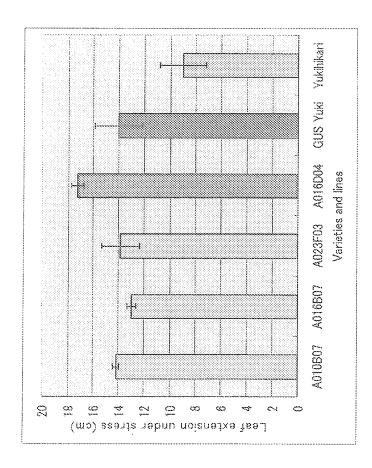
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App No.: 10/576,693 Docket No.: 0230-0236PUS1

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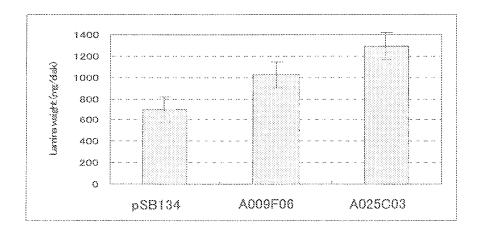


Fig. 6 : Effect of introducing genomic DNA fragments on the growth of tobacco cullus  $% \left\{ 1,2,\ldots,n\right\}$ 

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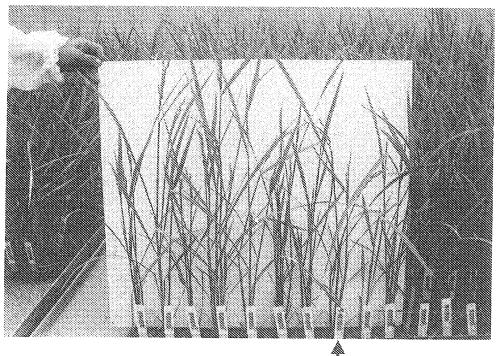


Fig. 7

Growth of rice cultivated after treatment with teosinte genomic DNA fragments; plant bodies at day 45 after transplantation; the arrow indicates the control individual; the introduced genomic fragments are, from left to right:

M044G07, M043C09, M042F06, M043A11, M042H08, M043B10, M044E12, Control, M042E11, M043A08

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Fig. 8



Fig. 9

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PCR2 PCR3 PCR1 AS4 AS8 AS18 AS20 AS22 AS27 AS28 AS30 A B A B A B A B A B A B A B A B A B AS4 ASE AS22 A 8 A B A B AS4 AS8 AS15 AS20 AS22 AS27 AS28 AS30 A 2 A 5 A 8 A 6 A 8 A 8 A 8 A 8

A: pSB200

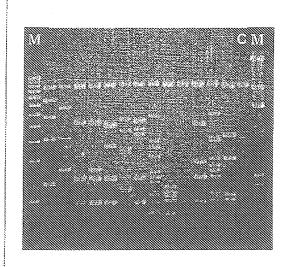
B: 対応する断片をpSB200に挿入したプラスミド

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**FRAGMENTS** REPLACEMENT SHEET

Fig. 10

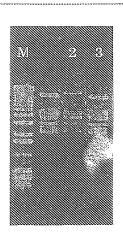


左から

第1レーン (M) : 1kb ladder

第2~14レーン: AS88, 90, 95-102, 104-105 C: ベクターコントロール M2: 入/HindIII サイズマーカー

Fig. 11



1:G001A03(オリジナル)

2: G001A03DEST 3: G001A03bar M: 1kb ladder